

Invitation for Expression of Interest

In Supplying Measurement, Test, Monitoring Equipment (Thermal, Hydro, Gas, Power meters) Through Shopping Procedure under RETA 7512: Empowering the Poor through Increasing Access to Energy

1. The Asian Development Bank (ADB) has approved a regional technical assistance grant (RETA 7512: Empowering the Poor through Increasing Access to Energy) to develop new approaches and methodologies for promoting access by the poor to reliable and affordable modern energy services, and scale up to levels that can be supported by investment through ADB operations departments. Procurement of equipment for this project will be by Request for Quotations through a shopping procedure. The procurement will be done in accordance with ADB's Procurement Guidelines.

2. The South Asia Energy Division of ADB (SAEN) wishes to invite Expression of Interest (EOI) from potential eligible suppliers of ADB member countries to supply all items listed in the table below. Your EOI shall include i) Name of the supplier and contact details including fax number, telephone number, email and postal address, ii) company brochures and/or technical documents related to the items and iii) a list of your major clients in the last three years. You may also send us information on your company's experiences and past performance on similar contracts that would help ADB assess your company's eligibility and qualification for participating in the procurement. You should not include any price information at this stage. **Your EOI should be addressed to and received by email, fax or courier preferably no later than 17 July 2015 by Mr. Oliver Leonard, Officer in Charge, Procurement and Contracts Administration Unit at the following address: sdiano@adb.org:**

E-mail: oleonard@adb.org

(Your email must also be copied to this email address: sdiano@adb.org)

Fax: +63 2 6316899, or

Courier: Room 4503s

Procurement and Contracts Administration Unit Office of
Administrative Services

Asian Development Bank 6 ADB Avenue

Mandaluyong, Metro Manila Philippines

3. Procurement and Contracts Administration Unit of ADB will send out Request for Quotation (RFQ) to selected suppliers based on its assessment of the technical qualifications and eligibility of the suppliers who have submitted the EOIs. Details about ADB's eligibility requirements for suppliers may be seen in the ADB's Procurement Guidelines accessible at www.adb.org.

4. A preliminary list of items to be purchased is in the table below:

1. Technical & Quantity Specifications

Sl.no	Equipment Name	Quantity	Specification
1.	Infrared Thermometer (-50 to 1050 Deg C) with Dual Laser Model IRX64,	1	<ul style="list-style-type: none"> Range: 50°C ~ 1050°C, -58°F ~ 1922°F Temp. Resolution : 0.1°C / °F Basic Accuracy : +1.5% of reading Emissivity Adjustable 0.10 ~ 1.0 Optical Resolution : 30 : 1
2.	Contact Temperature Indicator (0-400 Deg C) Contact Temperature Indicator (400-1200 Deg C)	1	<ul style="list-style-type: none"> Range for Nippon 1000 A (Pt-100): -100.0 To 199.9 °C -100 To 600 °C for Nippon 1000 (Pt-100) -100 To 1150 °C for Nippon 1000 (Cr / Ar) Accuracy: For R.T.D. 0.25 % of F.S.D. For Cr / AI Thermocouple 0.7 % of F.S.D. Display : 31/2 digit, 12.5mm height, Easy to read liquid crystal display Display Update : 3 Readings / Second Open / Broken Sensor : Display indicates ‘1’ Ambient Compensation : Automatic with excellent linearity Power: 9 Volt, Super Heavy Duty
3.	Digital Vane Anemometer Model AVM07,	1	<ul style="list-style-type: none"> Range : 0.4 – 45 m/s Resolution : .001 m/s Accuracy : ± (2% + 0.1m/s) Standard accessory: sensor probe, hard carrying case Optional Accessory: manual HTC RS 232 able with software RS – 232 USB cable Dimension : instrument 156 × 67 × 28 mm Sensor head 72mm Dia

4.	Digital hot wire anemometer Model AVM07,	1	<ul style="list-style-type: none"> • Range : 0.1 – 25 m/s • Resolution : .001 m/s • Accuracy : $\pm (5\% + 1d)$ full scale , $\pm (1\% + 1d)$ full scale • Standard accessory: sensor probe, hard carrying case • Optional Accessory: DC 9V power supply, HTC USB cable and softwares • Dimension : instrument $198 \times 78 \times 51$ mm 																																				
5.	Digital Manometer with 1000mm L shaped Pitot Tube	1	<ul style="list-style-type: none"> • Accuracy : $\pm 0.3\%$ FSO • Repeatability: $\pm 0.2\%$ (Max. $+0.5\%$ FSO) • Linearity / Hysteresis : $\pm 0.29\%$ FSO <table border="1"> <thead> <tr> <th>Model</th><th>6202</th><th>6205</th></tr> </thead> <tbody> <tr> <td>• Pressure Range:</td><td>± 2 psi (± 55.40 in H₂O)</td><td>± 5 psi (± 138.3 in H₂O)</td></tr> <tr> <td>• psi</td><td>0.01</td><td>0.01</td></tr> <tr> <td>• mbar</td><td>0.001</td><td>0.001</td></tr> <tr> <td>• kPa</td><td>0.1</td><td>0.1</td></tr> <tr> <td>• in Hg</td><td>0.01</td><td>0.01</td></tr> <tr> <td>• mm Hg</td><td>0.001</td><td>0.001</td></tr> <tr> <td>• Oz/ in²</td><td>0.1</td><td>0.1</td></tr> <tr> <td>• ft H₂O</td><td>0.01</td><td>0.01</td></tr> <tr> <td>• cm H₂O</td><td>0.001</td><td>0.01</td></tr> <tr> <td>• kg cm</td><td>0.1</td><td>0.1</td></tr> <tr> <td>• Units & Resolution bar</td><td>0.001</td><td>0.001</td></tr> </tbody> </table> <ul style="list-style-type: none"> • Standard Accessories : Soft carrying case, Gift Box, Tubes, Manual, Battery, USB Cable, CD Software. • Dimension : 210(H) x 75(W) x 50(D)mm 	Model	6202	6205	• Pressure Range:	± 2 psi (± 55.40 in H ₂ O)	± 5 psi (± 138.3 in H ₂ O)	• psi	0.01	0.01	• mbar	0.001	0.001	• kPa	0.1	0.1	• in Hg	0.01	0.01	• mm Hg	0.001	0.001	• Oz/ in²	0.1	0.1	• ft H₂O	0.01	0.01	• cm H₂O	0.001	0.01	• kg cm	0.1	0.1	• Units & Resolution bar	0.001	0.001
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6.	Digital Thermo Hygro Meter Model KM919,	1	<ul style="list-style-type: none"> • Temperature Measurement Range : -20.0°C ~ +60.0°C (-4.0°F ~ +140.0°F) • Humidity Measurement Range: 1.0% ~ 99.9% RH. <p>ACCURACY:</p>																																				

			<ul style="list-style-type: none"> • Humidity : $\pm 2.5\%$ for $30 \sim 80\%$ $\pm 3.0\%$ for $20 \sim 29.9\%$ and $80.1 \sim 89.9$, $\pm 5\%$ for $1 \sim 19.9$ and $90.1 \sim 99.9$ • Temperature: $\pm 0.8^\circ\text{C}$, $\pm 1.5^\circ\text{F}$. • Resolution : $0.1^\circ\text{C}/0.1^\circ\text{F}$; 0.1% RH 																										
7.	Digital Ultrasonic Flow Meter With 2 sensors	1	<table border="1"> <tr> <td style="text-align: center;">• Power supply</td><td>24 V DC $\pm 20\%$</td></tr> <tr> <td></td><td>110 V AC $\pm 15\%$, 240 V AC $\pm 15\%$</td></tr> <tr> <td style="text-align: center;">• Display</td><td>2 lines, 16 characters, LCD with back light, flow rate,</td></tr> <tr> <td style="text-align: center;">• Velocity</td><td>Bidirectional</td></tr> <tr> <td style="text-align: center;">• Units</td><td>User configurable English/Metric</td></tr> <tr> <td style="text-align: center;">• Totaliser</td><td>FWD, NET, REV, BATCH</td></tr> <tr> <td style="text-align: center;">• Readings in</td><td>Gallons, ft , Barrels, lbs, m^3</td></tr> <tr> <td style="text-align: center;">• Output</td><td>4-20 mA DC Std.*</td></tr> <tr> <td style="text-align: center;">• Accuracy</td><td>$\pm 1\%$ of reading @ rate >0.5 m/sec.</td></tr> <tr> <td style="text-align: center;">• Repeatability</td><td>0.2% of Span</td></tr> <tr> <td style="text-align: center;">• Weight</td><td><2.5 kg</td></tr> <tr> <td style="text-align: center;">• Dimensions</td><td>251x190x96 mm</td></tr> <tr> <td style="text-align: center;">• Security</td><td>Keypad lockout, access code enabled</td></tr> </table>	• Power supply	24 V DC $\pm 20\%$		110 V AC $\pm 15\%$, 240 V AC $\pm 15\%$	• Display	2 lines, 16 characters, LCD with back light, flow rate,	• Velocity	Bidirectional	• Units	User configurable English/Metric	• Totaliser	FWD, NET, REV, BATCH	• Readings in	Gallons, ft , Barrels, lbs, m^3	• Output	4-20 mA DC Std.*	• Accuracy	$\pm 1\%$ of reading @ rate >0.5 m/sec.	• Repeatability	0.2% of Span	• Weight	<2.5 kg	• Dimensions	251x190x96 mm	• Security	Keypad lockout, access code enabled
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8.	Power Analyser with wide Frequency range & Harmonics Measurement	1	<ul style="list-style-type: none"> • Compatible with any Scope Meter test tool, power harmonics analyzer, oscilloscope, multimeter • Compatible with other voltage measurement device with BNC input connectors or if using a meter convert the banana plugs to a BNC connector using the adapter • Built-in safety features such as the 600 V RMS rating at the input jaws, output cable and BNC connector (to enhance work safety in industrial and commercial power distribution systems) 																										
9.	Digital Stroboscope	1	<table border="1"> <tr> <td style="background-color: #cccccc;">Model</td><td style="background-color: #cccccc;">Km 2240</td><td style="background-color: #cccccc;">Km 2239B</td></tr> </table>	Model	Km 2240	Km 2239B																							
Model	Km 2240	Km 2239B																											

			<ul style="list-style-type: none"> • Display 5 Digits 40,000 Counts backlight LCD display • (<1000RPM) Coarse Tuning ± 10 RPM / FPM ± 10 RPM / FPM • Fine Tuning ± 0.1 RPM / FPM ± 0.1 RPM / FPM • Range 600 - 40,000 RPM 60 - 20,000 RPM / FPM • (>1000 RPM) Coarse Tuning ± 100RPM / FPM ± 100RPM / FPM • Fine Tuning ± 1 RPM / FPM ± 1 RPM / FPM • Accuracy $\pm 0.05\%$ $\pm 0.05\%$ • Resolution <1000 RPM : 0.1 RPM / FPM >=1000 RPM : 1 RPM / FPM <1000 RPM : 0.1 RPM / FPM >=1000 RPM : 1 RPM / FPM • Power 4 x 1.5 V AAA Battery 4 x 1.5 V AAA Battery • Dimension 195 x 73 x 38mn 195 x 73 x 38mn • Weight 200gm 200gm 								
10.	Digital Contact pressure Gauge	1	<ul style="list-style-type: none"> • Power supply voltage: Single phase $110 \pm 10\%$; Power supply Capacity: 5.5KVA; Efficiency: 85%. • No-load voltage: 110V; Current range: 10-50A; Duty cycle (%): 60; Cutting thickness: 1-14MM. • Arc striking: contact; Power factor: 0.93; Protection class: IP21; Insulation class: F. • Feature: Stabilizing, Lightness, Save-energy, no noise, High cutting speed, no polish demands 								
11.	Portable Flue gas Analyser (CO, CO2, O2)	1	<table border="1"> <thead> <tr> <th></th><th>Resolution</th><th>Accuracy</th><th>Range</th></tr> </thead> <tbody> <tr> <td>• Flue</td><td>0.1°C/F</td><td>$\pm 2.0^\circ\text{C} \pm 0.3\%$</td><td>0-600°C</td></tr> </tbody> </table>		Resolution	Accuracy	Range	• Flue	0.1°C/F	$\pm 2.0^\circ\text{C} \pm 0.3\%$	0-600°C
	Resolution	Accuracy	Range								
• Flue	0.1°C/F	$\pm 2.0^\circ\text{C} \pm 0.3\%$	0-600°C								

				Temperature with Probe		reading	32-1112°F
				• Inlet Temperature	0.1°C/F	±1°C ±0.3% reading	0-50°C 32-122°F
				• Pressure	0.1 mbar	±2% of full scale	+150mbar to - 150mbar
Gas Measurement							
				• Oxygen	0.1%	±0.2%	0-21%
				• Carbon Monoxide (standard: H compensated)	1ppm	±20ppm <400ppm ±5%<5000ppm ±10%<5000ppm	0-10,000ppm
				• Carbon Monoxide (high range)	0.01%	±5% reading from 0.1% to 10%	0-10%
				• Nitric Oxide (standard)	1ppm	±5ppm<100ppm ±5%>100ppm	0-5000ppm
				• Nitric Oxide (low range)	1ppm	±2ppm<30ppm ±5ppm>30ppm	0-100ppm
				• Nitrogen Dioxide	1ppm	±5ppm<100ppm ±10ppm<500ppm ±5%>500ppm	0-1000ppm
12.	Digital Density Meter Model WW- 25755-60	1		<ul style="list-style-type: none"> • Sample volume : 2mL • Display : LCD with backlight • Power : two AA batteries • Housing :IP54 • Dimension : 14.0 x 13.6 x 2.5 cm) • Range: 0 to 3 g/cm3, 32 to 104°F (0 to 40°C) • Resolution: 0.0001 g/cm3, 0.1°F • Accuracy: ±0.001 g/cm3, ±0.2°C 			
13.	Laser Distance Meter, 0-100 Meters			Functions/ Models	KM 973	KM 975	KM 976

	Model KM976, KM 975 and KM 973	1	<ul style="list-style-type: none"> • Measuring Range 	0.1 - 30m	0.1 - 50m	0.1 -100m
			<ul style="list-style-type: none"> • Measurement Unit 	mm / in /ft	mm / in / ft	mm / in / ft
			<ul style="list-style-type: none"> • Accuracy 	1.5 mm	1.5 mm	1.5 mm
			<ul style="list-style-type: none"> • Smallest Unit 	1 mm	1 mm	1 mm
			<ul style="list-style-type: none"> • Laser Class 	2	2	2
			<ul style="list-style-type: none"> • Laser Type 	635mm, P<1mW	635mm, P<1mW	635mm, P<1mW
			<ul style="list-style-type: none"> • Max Storage 	99 units	99 units	99 units
			<ul style="list-style-type: none"> • Operating Temperature 	0°C ~ 40°C	-10°C ~ 50°C	-10°C ~ 50°
			<ul style="list-style-type: none"> • Storage Temperature 	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C
			<ul style="list-style-type: none"> • Storage Humidity (at 35 deg C) 	85%	85%	85%
			<ul style="list-style-type: none"> • Min/ Max Value 	-	-	-
			<ul style="list-style-type: none"> • Add and subtract measurement function 	Yes	Yes	Yes
			<ul style="list-style-type: none"> • Continuous measurement function 	Yes	Yes	Yes
			<ul style="list-style-type: none"> • Area measurement function 	Yes	Yes	Yes
			<ul style="list-style-type: none"> • Volume measurement function 	Yes	Yes	Yes
			<ul style="list-style-type: none"> • Pythagorean proposition measuring. function 	Yes	Yes	Yes
			<ul style="list-style-type: none"> • Automatically cut off laser 	20s	20s	20s

			<ul style="list-style-type: none"> • Automatic shutdown 	150S	150S	150S
			<ul style="list-style-type: none"> • Power Supply 	1.5V 3 * AA Alkaline	1.5V 3 * AA Alkaline	1.5V 3 * AA Alkaline
			<ul style="list-style-type: none"> • Dimension 	118(L) x 54(W) x 28(H)mm	118(L) x 54(W) x 28(H)mm	118(L) x 54(W) x 28(H)mm
			<ul style="list-style-type: none"> • Weight (with including battery) 	approx. 180g.	approx. 180g.	approx. 180g.
			<ul style="list-style-type: none"> • Accessories 	User manual, battery , holding rope\$ carrying case	User manual, battery , holding rope\$ carrying case	User manual, battery , holding rope\$ carrying case
14.	Digital Pyrometer (Dual Input) Model KM945,	1	<ul style="list-style-type: none"> • AC voltage accuracy: 1% Rdg + 2 Digits • AC current accuracy: 1%Rdg + 2 Digits (Up to 43 mA); 2.5% Rdg + 2 Digits (Up to 10A) • AC Max (Amps): 10 • AC Max (Voltage): 1000 • AC Min (Amps): 4.3e-005 			
15.	Digital Contact cum non -Contact tachometer	1	<ul style="list-style-type: none"> • Display : 5 digits 18 mm(0.6") LCD • Accuracy : \pm (0.05% + 1 digit) • Sampling Time : 0.5 Sec(over 120RPM) • Range Select : Auto -Ranging • Memory: Last value, Max. Value, Min. value • Power Consumption : Approx 55mA • Time Base : 6 MHz Quartz crystal • Detecting Distance : 50 mm to 500 mm • Measuring range : PHOTOTACH 2.5 TO 99999 RPM CONTACT TACH 0.5 TO 			

			<ul style="list-style-type: none"> • 19,999 RPM SURFACE SPEED (m/min) 0.05 TO 1,999.9 (m/ min). • Resolution : PHOTO TACH: 0.1 RPM (2.5 to 999.9 RPM), 1 RPM (over 1000 RPM) CONTACT TACH: 0.1 RPM(0.5 to 999.9 RPM), 1RPM (over 1000RPM) • SURFACE SPEED (m/min): 0.01 m/min (0.05 to 99.99 m/min), 0.1 m/min (over 100 m/min) • Power : 4 X 1.5 V AA Size Battery or to external DC 6V Regulated power supply
16.	Visual IR Thermometer Model VT02,	1	<ul style="list-style-type: none"> • Accurate temperature measurement at centerpoint • Available in visual, infrared and blended views : Quick hot and cold spot finders • Measurement range : - 10 °C to +250 °C (14 °F to 482 °F) • Accuracy : ± 2% or ± 2 °C, as tested • Utilizes pyro-electric technology, exclusive to Fluke • Lenses: Fixed focus lens -near and far more, near mode for 9 inches or less • Display :Image stored to micro-SD card, easy download to PC and import into software • Power : 4 standard AA cell batteries, for 8 hours of continuous battery life • Software : Include SmartView® analysis and reporting software
17.	Thermal Imager Model i7,	1	<ul style="list-style-type: none"> • Temperature range :4°F to 482°F (-20°C to 250°C) Image Storage 5000 Images (microSD card memory) • Emissivity :Table; 0.1 to 1.0 adjustable • Frame Rate :9Hz • Focus Focus free Spectral range: 7.5 to 13μm • Display Built-in: 2.8" color LCD • Image modes Thermal - Palettes (Iron, Rainbow, and Black/White) • Set-up controls Date/time,: °C/°F, 21 languages • Battery Type/operating time :Li-Ion/ >5 hours, Display shows battery status • Charging system In camera:, AC adapter; 3 hours to 90% capacity • Shock/Vibration/Drop /Encapsulation; Safety: 25G, IEC 60068-2-29 / 2G, IEC 60068-2-6 / Drop-proof 2m (6.6ft) IP43; UL, CSA, CE, PSE and CCC • Dimensions/Weight : 8.8x3.1x3.4" (223x79x85mm)/<12.9oz. (365g), including battery
18.	Power Clamp Meter	1	<ul style="list-style-type: none"> • Withstand voltage : 5.55 kV AC between clamp and frame, between clamp and circuitry

	with Harmonics (55mm Jaw)		(50/60 Hz, 1 minute) <ul style="list-style-type: none"> • Safety: EN61010-1:1992+A2:1995 CAT III 600V EN61010-2-031:1996, EN61010-2-032:1995, EN60529:1991 IP40 • EMC: EN61326-1:1997+A1:1998+A2:2001 • Measurement method : Digital sampling method • Operating temperature : 0°C to 40°C, 80%rh or less, no condensation • Storage temperature : -10°C to 50°C, no condensation • Power supply : 6LR61 alkaline battery × 1 (continuous operation max. 25 hours), 6F22 manganese battery × 1 (continuous operation max. 10 hours) (9V battery) • Dimensions, mass : Approx 100 W × 287 H × 39 D mm, Approx 650g 																																																															
19.	Digital Rh Temperature Data Logger	1	<table border="1"> <thead> <tr> <th>Functions</th><th colspan="2">RH</th><th colspan="4">TEMP</th></tr> </thead> <tbody> <tr> <td>• Range</td><td colspan="2">0 ~ 100% RH</td><td colspan="2">-40° ~ 70°C</td><td colspan="2">-40°~158°F</td></tr> <tr> <td>• Accuracy</td><td>0 ~ 20% & 80 ~ 100%</td><td>+/-5%</td><td>-40 ~ 10°C 40 ~ 70°C</td><td>+/- 2°C</td><td>-40 ~ 14°F 104 ~ 158°F</td><td>+/-3°C</td></tr> <tr> <td></td><td>20 ~ 40% & 60 ~ 80%</td><td>+/-3.5%</td><td>-10 ~ 40°C</td><td>+/- 1°C</td><td>-14 ~ 104°F</td><td>+/- 1.8°C</td></tr> <tr> <td></td><td>40 ~ 60%</td><td>+/-3%</td><td></td><td></td><td></td><td></td></tr> <tr> <td>• Resolution</td><td colspan="6">Humidity of 0.1% and temperature of 0.1°C</td></tr> <tr> <td>• Memory</td><td colspan="6">32,000 (16,000 each for temperature and Humidity)</td></tr> <tr> <td>• Measuring Rate</td><td colspan="6">1sec. to 24hrs</td></tr> <tr> <td>• Analysis software</td><td colspan="6">Windows 98/2000/XP</td></tr> </tbody> </table>	Functions	RH		TEMP				• Range	0 ~ 100% RH		-40° ~ 70°C		-40°~158°F		• Accuracy	0 ~ 20% & 80 ~ 100%	+/-5%	-40 ~ 10°C 40 ~ 70°C	+/- 2°C	-40 ~ 14°F 104 ~ 158°F	+/-3°C		20 ~ 40% & 60 ~ 80%	+/-3.5%	-10 ~ 40°C	+/- 1°C	-14 ~ 104°F	+/- 1.8°C		40 ~ 60%	+/-3%					• Resolution	Humidity of 0.1% and temperature of 0.1°C						• Memory	32,000 (16,000 each for temperature and Humidity)						• Measuring Rate	1sec. to 24hrs						• Analysis software	Windows 98/2000/XP					
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			<ul style="list-style-type: none"> • Standard Accessory • Dimensions <p>Battery, Holding Case, Safety Lock, USB Cable with Software 94 x 48 x 33mm</p>
20.	Bomb Calorimeter Model PEI-BC312	1	<ul style="list-style-type: none"> • The instrument should adopt technology of single chip microcomputer, LCD screen, high accuracy temperature sensor and high performance A/D conversion device. • The test procedure should be fully automatic. After placing sample and inputting right parameters, the instrument should finish all the procedures without manual interference. It should print the test data directly after test is over. • This instrument should adopt sealed oxygen bomb. The whole structure to adopt stainless steel material. The strength to be enough to resist 20MPa hydrostatic test under room temperature.
21.	Digital Weighing Balance	1	<ul style="list-style-type: none"> • Extra-large 4.3 inches LCD display with backlight and extra-large font numbers • 4 latest version high precision sensors - consistent and accurate measurements up to 400 pounds or 180 kg; graduation increments of 0.2 pounds./0.1 kg • Auto-calibrated and automatic turn off feature to conserve battery life; run on 4 AAA batteries (batteries to be included) • Extra thick and sturdy tempered glass top for safety and large 12 inches x 13 inches platform
22.	Desktop Computer with standard periphery	1	<ul style="list-style-type: none"> • Intel Core 2 Duo 2.0GHz Processor • 2GB of DDR2 Ram- Expandable to 8GB of Memory. 80GB SATA Hard Drive. DVD-ROM Optical Drive. • Genuine license of Windows 7 Professional. • Desktop, Dell 19" LCD Monitor, Keyboard, Mouse and All Necessary Power Cords
23.	Ultrasonic Leak Detector Make Lutron	1	<ul style="list-style-type: none"> • Display: Sensitivity for Leakage Bar LED display panel & audible tone. • Indicator: The LED display indicator of the detector is a relative measurement only. • Frequency Response: 20 KHz to 100 KHz. • Power Supply DC 9V battery: 006P, MN1604 (PP3) or equivalent, Alkaline or heavy duty type battery.

			<ul style="list-style-type: none"> • Power Consumption: Approx. DC 34 mA. • Operating Temp: 0 °C to 50 °C (32 °F to 122 °F). • Operating Humidity: Less than 80% RH. • Weight Approx.: 260 g/0.57 LB (including battery). • Size: HWD 255 x 70 x 28 mm (10.0 x 2.8 x 1.1 inch). • Accessories Included Operational manual.....1 PC. • Rubber bottle plug with plastic tubing.....1 PC. • 1/2 inch PVC pipe.....1 PC. • Hard carrying case.....1 PC. • Optional Accessory Earphone, Model : EA-100
24.	Ceramic Spray Insulation	1	-

2. Warranty Specifications

There should be a 2 year replacement warranty.

We understand that there might not be any authorized service centre of the supplier in Bhutan. In that case, the company should depute an official/organization in Thimphu (on behalf of the supplier) to service the equipments within the warranty period. Alternatively, the supplier can also arrange for pickup of defective/damaged items from Thimphu, repairing and subsequently shipping it back to Thimphu again.

3. Delivery Time

Delivery of the equipments to be done within 30 days after the award of contract.

The goods to be delivered at Thimphu.

Upon delivery, the Supplier shall provide the following documents to the Purchaser:

- i. Copies of the Supplier's invoice showing equipment's description, quantity, unit price, and total amount;
- ii. Manufacturer's or supplier's warranty certificate; and
- iii. Certificate of origin
- iv. Calibration certificate